

Title (en)

NEGATIVE ELECTRODE FOR LITHIUM ION SECONDARY BATTERIES, LITHIUM ION SECONDARY BATTERY, AND METHOD FOR PRODUCING NEGATIVE ELECTRODE FOR LITHIUM ION SECONDARY BATTERIES

Title (de)

NEGATIVELEKTRODE FÜR LITHIUM-IONEN-SEKUNDÄRBATTERIEN, LITHIUM-IONEN-SEKUNDÄRBATTERIE DAMIT UND VERFAHREN ZUR HERSTELLUNG EINER NEGATIVELEKTRODE FÜR LITHIUM-IONEN-SEKUNDÄRBATTERIEN

Title (fr)

ÉLECTRODE NÉGATIVE POUR BATTERIE SECONDAIRE AU LITHIUM-ION, BATTERIE SECONDAIRE AU LITHIUM-ION , ET PROCÉDÉ DE PRODUCTION D'ÉLECTRODE NÉGATIVE POUR BATTERIE SECONDAIRE AU LITHIUM-ION

Publication

EP 3557662 A4 20200819 (EN)

Application

EP 17883476 A 20171219

Priority

- JP 2016245846 A 20161219
- JP 2017045533 W 20171219

Abstract (en)

[origin: EP3557662A1] A lithium-ion secondary battery anode (8) according to an embodiment includes a current collector (6) and an active material layer (7). The active material layer (7) is disposed on the current collector (6). The active material layer (7) includes a plurality of needle-shaped bodies (13) that contain silicon. The needle-shaped bodies (13) are fusion-bonded to the current collector (6).

IPC 8 full level

H01M 4/134 (2010.01); **H01M 4/02** (2006.01); **H01M 4/1395** (2010.01); **H01M 4/36** (2006.01); **H01M 4/38** (2006.01); **H01M 4/62** (2006.01); **H01M 10/052** (2010.01); **H01M 10/0525** (2010.01); **H01M 10/0566** (2010.01)

CPC (source: EP US)

H01M 4/134 (2013.01 - EP US); **H01M 4/1395** (2013.01 - EP US); **H01M 4/366** (2013.01 - EP); **H01M 4/386** (2013.01 - EP US); **H01M 4/621** (2013.01 - EP); **H01M 10/0525** (2013.01 - EP US); **H01M 10/0566** (2013.01 - EP); **H01M 2004/021** (2013.01 - US); **H01M 2004/025** (2013.01 - US); **H01M 2004/027** (2013.01 - EP US); **Y02E 60/10** (2013.01 - EP)

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 17883476 A 20171219; CN 201780004300 A 20171219; JP 2017045533 W 20171219; JP 2018527824 A 20171219; US 201716470882 A 20171219